

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant	:	Jeffrey James Jonas	l hereby certify that this paper is being deposited with the United States Postal
Serial No.	:	10/750,482	Service as First Class Mail, postage prepaid, in an envelope addressed to:
Filed	:	December 31, 2003) Commissioner for Patents, P.O Box 1450, Arlington, VA 22313-1450, on April 2, 2004
For	:	Authorized Anonymous Authentication) James K. Stine
••• <u> </u>		1) Registration No. 32,310 ————————————————————————————————————

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Arlington, VA 22313-1450

Sir:

Pursuant to 37 CFR 1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO Form 1449. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

The Commissioner is hereby authorized and directed to charge any required fee for the submission of this information disclosure statement to Deposit Account No. 13-2855. A copy of this paper is enclosed.

Respectfully submitted,

MARSHALL, GERSTEIN & BORUN LLP

April 2, 2004

By: ///

Thomas K. Stine Registration No. 32,310

6300 Sears Tower

233 South Wacker Drive

Chicago, Illinois 60606-6357

(312) 474-6300



PTC/SB/08a/b (06-03)
Approved for use through 07/31/2003. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Sı	bstitute for form 1449A/E	3/РТО		Complete if Known		
				Application Number	10/750,482	
1	NFORMATION	ON DISC	CLOSURE	Filing Date	December 31, 2003	
STATEMENT BY APPLICANT				First Named Inventor	Jeffrey James Jonas	
				Art Unit	N/A	
	(Use as many	sheets as ne	cessary)	Examiner Name	Not Yet Assigned	
Sheet	1	of	4	Attorney Docket Number	30652/007A	

	U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		
	A1	1,261,167	04-02-1918	Russell			
	A2	5,675,785	10-07-1997				
	A3	5,781,911	07-14-1998	Young et al.			
	A4	5,794,246	08-11-1998	Sankaran et al.			
	A5	5,991,758	11-23-1999	Ellard			
	A6	6,014,670	01-11-2000	Zamanian et al.			
	A7	6,032,158	02-29-2000	Mukhopadhyay et al.			
	A8	6,073,140	06-06-2000	Morgan et al.			
	A9	6,185,557	02-06-2001	Liu			
	A10	6,208,990	03-27-2001	Suresh et al.			
	A11	6,272,495	08-07-2001	Hetherington			
	A12	6,339,775	01-15-2002	Zamanian et al.			
	A13	6,385,604		Bakalash et al.			
	A14	6,418,450	07-09-2002	Daudenarde			
	A15	6,460,037	10-01-2002				
	A16	6,044,378	03-28-2000				
	A17	6,122,641	09-19-2000	Williamson et al.			
		6,065,001	05-16-2000				
	A19	5,560,006		Layden et al.			
	A20	5,819,263	10-06-1998				
		5,995,973	11-30-1999				
		5,933,831	08-03-1999				
		6,049,805	04-11-2000				
		5,799,309	08-25-1998				
		6,122,757	09-19-2000	Kelley			
	A26	6,035,300	03-07-2000				
	A27	5,010,478	04-23-1991	Deran			
		5,991,733	11-23-1999	Aleia et al.	<u> </u>		
	A29	6,052,693	04-18-2000	Smith et al.	-		
		5,608,907	03-04-1997	Fehskens et al.	-		
		5,758,343	05-26-1998	Vigil et al.			
		5,991,765	11-23-1999	Vethe			
		5,764,977	06-09-1998	Oulid-Aissa et al.			
		6,035,306		Lowenthal et al.			
		5,995,097	11-30-1999	Tokumine et al.			
		5,878,416	03-02-1999	Harris et al.			
		6,035,295	03-07-2000	Klein			

Examiner	Date
Signature	Considered
Oignature	

APR 0 6 2004

PTO/SB/08a/b (06-03)
Approved for use through 07/31/2003. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE stoond to a collection of information unless it contains a valid OMB control number.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute	e for form 1449A	B/PTO		Complete if Known		
				Application Number	10/750,482	
INF	ORMATI	ON DIS	SCLOSURE	Filing Date	December 31, 2003	
STATEMENT BY APPLICANT				First Named Inventor	Jeffrey James Jonas	
				Art Unit	N/A	
	(Use as man	y sheets as	necessary)	Examiner Name	Not Yet Assigned	
Sheet	2	of	4	Attorney Docket Number	30652/007A	

			FOREIG	GN PATENT	DOCUMENTS		\neg
.	Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	т⁰

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.

•		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	C1	Winkler et al., The State of Record Linkage and Current Research Problems	
	C2	Winkler et al., Advanced Methods for Record Linkage	
	C3	Jaro, "Record Linkage Research and the Calibration of Record Linkage Algorithms", U.S. Bureau of the Census, Report No: rr-84/27 (August 9, 1984)	
	C4	DeWitt et al., An Evaluation of Non-Equijoin Algorithms, Proc. 17 th Intl. Conf. on Very Large Data Bases, Sep. 1991, pp. 443-452	
	C5	Li et al., Skew Handling Techniques in Sort-Merge Join	
	C6	Verykios et al., A Bayesian decision model for cost optimal record matching, The VLDB Journal, 2000, vol. 12, nos. 28-450, pp. 28-40	
	C7	van den Bercken et al., The Bulk Index Join: A Generic Approach to Processing Non-Equijoins	
	C8	Monge, Matching Algorithms within a Duplicate Detection System	
	C9	Yuwono et al., Search and Ranking Algorithms for Locating Resources on the World Wide Web, Intl. Conf. on Data Engineering, 1996, pp. 164-171	
	C10	Hou et al., Medical Image Retrieval by Spatial Features, 1992 IEEE Intl. Conf. on Systems, Man and Cybernetics, Oct. 1992, vol. 1, pp. 1364-69	
	C11	Callan et al., Searching Distributed Collections With Inference Networks, Proc. 18 th Annual Intl. ACM SIGIR Conf. on R&D in Information Retrieval, July 9-13, 1995, pp. 21-28	
	C12	DeFazio et al., Integrating IR and RDBMS Using Cooperative Indexing, Proc. 18 th Annual Intl. ACM SIGIR Conf. on R&D in Information Retrieval, July 9-13, 1995, pp. 84-92	
	C13	Sclaroff et al., ImageRover: A Content-Based Image Browser for the World Wide Web, IEEE Workshop on Content-Based Access of Image and Video Libraries, June 1997, pp. 2-9	
	C14	Knoblock, Searching the World Wide Web, Trends & Controversies, JanFeb. 1997, pp. 8-24	
	C15	Amba et al., Automatic Linking of Thesauri, Proc. 18th Annual Intl. ACM SIGIR Conf. on R&D in Information Retrieval, July 9-13, 1995, pp. 181-188	

Examiner Date Signature Considered			
[Cianature]	Examiner	Date	_
	Signature	la i.e.	

1300

PTO/SB/08a/b (06-03)
Approved for use through 07/31/2003. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are require

Under the r ... Substitute for form 1449A/B/PTO **INFORMATION DISCLOSURE** STATEMENT BY APPLICANT

(Use as many sheets as necessary)

	(eee as many sm		,, ,
Sheet	3	of	4

Complete if Known					
Application Number	10/750,482				
Filing Date	December 31, 2003				
First Named Inventor	Jeffrey James Jonas				
Art Unit	N/A				
Examiner Name	Not Yet Assigned				
Attorney Docket Number	30652/007A				

C16	Gelbart et al., <i>Toward a Comprehensive Legal Information Retrieval System</i> , Database and Expert Systems Applns., Proc. Intl. Conf. in Vienna, Austria, 1990, pp. 121-125
C17	Kimoto et al., Construction of a Dynamic Thesaurus and Its Use for Associated Information Retrieval, Proc. 13 th Intl. Conf. on R&D in Information Retrieval, Sep. 5-7, 1990, pp. 227-241
C18	Findler, Information Retrieval Systems, An Artificial Intelligence Technique for Information and Fact Retrieval, 1991
C19	Yearwood et al., Retrieving cases for treatment advice in nursing using text representation and structured text retrieval, Artificial Intelligence in Medicine, Jan. 1997, vol. 9, no. 1, pp. 79-98
C20	Batory et al., Implementation Concepts for an Extensible Data Model and Data Language, acm Transactions on Database Systems, Sep. 1988, vol. 13, no. 3, pp. 231-262
C21	Haisten, Designing a Data Warehouse, InfoDB, vol. 9, no. 2, pp. 2-9
C22	Labio et al., The WHIPS Prototype for Data Warehouse Creation and Maintenance, 1997, pp. 557-559
C23	Haisten, Information Discovery in the Data Warehouse, InfoDB, vol. 9, no. 6, pp. 14-25
C24	Suardi et al., Execution of Extended Multidatabase SQL, 1993, pp. 641-650
C25	Romberg, <i>Meta-Entities Keeping Pace with Change</i> , Database Programming & Design, Jan. 1995, pp. 54-59
C26	Fellegi, <i>Tutorial on the Fellegi-Sunter Model for Record Linkage</i> , Section II: Overview of Applications and Introduction to Theory, pp. 127-178
C27	Crane et al., "Project LINK-LINK: An Interactive Database of Administrative Record Linkage Studies", National Center for Education Statistics and U.S. Department of Agriculture, Record Linkage Techniques – 1985: Proceedings of the Workshop on Exact Matching Methodologies, Arlington, VA, pp. 311-315 (May 9-10, 1985)
C28	Childers et al., The IRS/Census Direct Match Study - Final Report, Bureau of the Census - Statistical Research Division Report Series, Aug. 1, 1984, pp. 1-22
C29	LaPlant Jr., Generalized Data Standardization Program Generator (GENSTAN) Program Generation System Part II, Bureau of the Census Statistical Research Division Report Series, July 22, 1986
C30	LaPlant Jr., User's Guide for the Generalized Record Linkage Program Generator (GENLINK) SRD Program Generator System User's Guide: Part III, Bureau of the Census Statistical Research Division Report Series, Sept. 1, 1986
C31	Winkler et al., An Application of the Fellegi-Sunter Model of Record Linkage to the 1990 U.S. Decennial Census
C32	Winkler, Matching and Record Linkage
C33	Scheuren et al., Recursive Merging and Analysis of Administrative Lists and Data
C34	Winkler, Record Linkage Software and Methods for Merging Administrative Lists
C35	Wang et al., Automatically Detecting Deceptive Criminal Identities
C36	Hernandez, A Generalization of Band Joins and the Merge/Purge Problem, IEEE Trans. on Knowledge and Data Engineering, 1996

Examiner	Date	
Signature	Considered	



PTO/SB/08a/b (06-03)
Approved for use through 07/31/2003. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Suitute for form 1449A/B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 4 of

Complete if Known				
Application Number	10/750,482			
Filing Date	December 31, 2003			
First Named Inventor	Jeffrey James Jonas			
Art Unit	N/A			
Examiner Name	Not Yet Assigned			
Attorney Docket Number	30652/007A			

	C37	Lu et al., Pipelined Band Join in Shared-Nothing Systems, Proc. 1995 Asian	
		Computing Science Conf., Dec. 1995, pp. 239-253	L
	C38	Beebe, "Why are Epidemiologists Interested in Matching Algorithms?", National	ļ
Ì		Cancer Institute, Record Linkage Techniques – 1985: Proceedings of the Workshop	
		on Exact Matching Methodologies, Arlington, VA, pp. 139-143 (May 9-10, 1985)	
	C39	Boruch et al., "Exact Matching of Micro Data Sets in Social Research: Benefits and	
		Problems", Record Linkage Techniques – 1985: Proceedings of the Workshop on	
		Exact Matching Methodologies, Arlington, VA, pp. 145-153 (May 9-10, 1985)	
1	C40	Scheuren, "Methodologic Issues in Linkage of Multiple Data Bases", National	
		Academy of Sciences, Panel on Statistics for an Aging Population (September 13,	
		1985), reprinted Record Linkage Techniques – 1985: Proceedings of the Workshop	
	İ	on Exact Matching Methodologies, Arlington, VA, pp. 155-178 (May 9-10, 1985)	
	C41	Winkler, "Processing of Lists and String Comparison", Energy Information	
1		Administration, Record Linkage Techniques – 1985: Proceedings of the Workshop	li
1	İ	on Exact Matching Methodologies, Arlington, VA, pp. 181-187 (May 9-10, 1985)	
	C42	Jaro, "Current Record Linkage Research", U.S. Bureau of the Census, Record	
		Linkage Techniques – 1985: Proceedings of the Workshop on Exact Matching	i
		Methodologies, Arlington, VA, pp. 317-320 (May 9-10, 1985)	
	C43	Smith, "Record-Keeping and Data Preparation Practices to Facilitate Record	
1		Linkage", Statistics Canada, Record Linkage Techniques – 1985: Proceedings of the	
		Workshop on Exact Matching Methodologies, Arlington, VA, pp. 321-326 (May 9-10,	
		1985)	
	C44	Hill et al., "Generalized Iterative Record Linkage System", Statistics Canada, Record	
		Linkage Techniques - 1985: Proceedings of the Workshop on Exact Matching	
İ		Methodologies, Arlington, VA, pp. 327-333 (May 9-10, 1985)	
	C45	Howe et al., "A Generalized Iterative Record Linkage Computer System for Use in	
	.	Medical Follow-up Studies", Computers and Biomedical Research 14, pp. 327, 240	
		(1981)	
	C46	Lee, Joon Ho, "Combining Multiple Evidence from Different Properties of Weighting	
Ī		Schemes", Proceedings of the 18th Annual International ACM SIGIR Conference on	
		Research and Development in Information Retrieval, Seattle, Washington, USA (July	
		9 - July 13, 1995) pages 180-188.	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Examiner	Date	
Signature	Considered	
		1

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

Application No.: 10/750,482	Attorney Docket No.: 30652/007A
-----------------------------	---------------------------------

Certificate of Express Mailing Under 37 CFR 1.10

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to:

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

on	April 2, 2004
	Date

Thomas K. Fino	
Signature	
Thomas K. Stine	
Typed or printed name of person signing Certificate	

Note: Each paper must have its own certificate of mailing, or this certificate must identify each submitted paper.

Form PTO/SB/08A (with copies of references cited)